

Amendments to the Claims:

This listing of claims replaces all prior versions and listings of claims in this application.

Listing of Claims:

1. (Currently amended) A dental crown formed of a thermoplastic polymer material, said crown having a natural appearance of a vital tooth and comprising
a tooth shaped top surface and
depending flexible side surfaces extending continuously around edges of said tooth shaped top surface and extending continuously from a tooth shaped top surface end of the dental crown to an end opposite said tooth shaped top surface end of the dental crown,
a ~~bend axis in~~ at least one of said depending flexible continuous side surfaces having a relief on it's inner surface corresponding to a bent portion, located so as to define, wherein at least a part of the depending side surfaces has an inwardly directed bottom portion directed inwardly from said bend axis bent portion; said relief in at least one of the flexible side surfaces enabling the dental crown to be used for treatment of primary teeth and permanent molars.
2. (Original) A dental crown according to claim 1, wherein said thermoplastic polymer material comprising a polymer selected from polyacetal, polyacrylate, polymethylmethacrylate (PMMA), polyamide, polyaryletherketone (PAEK), polyetherketone (PEK), polyetheretherketone (PEEK), polyetherimide (PEI), polyethersulfone (PES), polysulfone (PSU), and mixtures thereof.

3. (Previously presented) A dental crown according to claim 2, wherein said polymer is a homo- or co-polymer of acetal resin, polyetheretherketone (PEEK) or polymethylmethacrylate (PMMA).
4. (Original) A dental crown according to claim 1, wherein said thermoplastic polymer material further comprising at least one of the following: fibers, fillers, pigments and reinforcements.
5. (Original) A dental crown according to claim 1, formed by injection molding.
6. (Previously presented) A dental crown according to claim 5, produced by a mass production injection molding method, said mass production injection molding method comprising:
providing a multi-element mold; and
employing the multi-element mold to injection mold a dental crown from a thermoplastic polymer material.
7. (Original) A dental crown according to claim 6, wherein said multi-element mold includes an ejector, which is being operated to eject the molded crown following opening the multi-element mold.
8. (Original) A dental crown according to claim 1, formed by compression molding.
9. (Original) A dental crown according to claim 1, formed by machining.